

Fig. 1

2/7

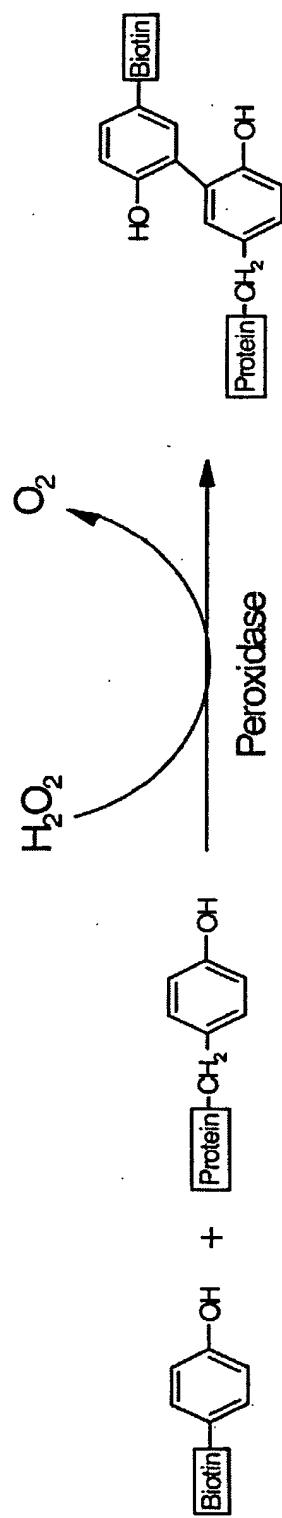


Fig. 2

3/7



Fig. 3

4/7

P. aeruginosa EstA:

GAAGAAGATCGGCCTGTGGCGGTACTTCTGCTGGGGTCGCTCTGCTGGTAATAATGGCAATGAGCCT
 GCTGCGTTCCCGCGAACAGCATGAGCCGGTCCCGCGATGCTGTTGGCTGAGGAGGCTTACG
 ACGGGCCCCGGGCGCATGCCGACGACGGCGGGCCGACAATAAAACAAATCATGGAGTAAGAGAAT
GATCAGAATGGCCTCAAGCCACTGGTAGCGGCCTGCCCTGCTGGCTCGCTGTCCACCCCGCGACGGC
TGCTCCTCCGCCATTGACGCTGGTGGTGTCCGGCGACGCCCTCAGCCATGCCGGCAGTTCCC
CGATCCTGCCGGCCCCCGCGAACGACCTCGCGTTCACCAACCGGGTCCGGCCGACCTA
CCAGAACGGCAGCGCGAGATCTCGGACCGACGCCCATGCTGCTGCCAATCAGCT
CGGCATGCCCGGGTACCTGGCTGCCCTGACCTCGCGGTCAACGCCAGCAGGGCAT
CGCCGACGGAACAACACTGGCGGTGGCGTACCGGACCGATCAGATCTACGACTCGAT
CACCGCGGCCAACGGCTCGTATCGAGCGGACAATACCCCTCTGCGCAGCCGCATGG
CTACCTGGTGGACCGTGCCCAGGGCTGGTGCCACCCGAAACGCGTTGACTACAT
CACCGGCGGGCGAACGACTTCTCAGGGCGATCTCACGACGTCAGGCCAAC
GGCCGCGGGTCGCTGGATAGCGTGCAGGCCCTGAGGCCGGCAGCTACAT
CGTGGCTGGCTGTTGCCGACCTGGGCTGACCCCGCTACCTTCGGTGGTCCCTTGAG
CCTTCGCCAGCCAACGTCACTCGGACGTTAACGCCAGAGCTGACGCCAGTTGAGCCAG
GCCGGCGCCAACCGTATTGAAACATCCGCTGCTGCTCAAGGAAGGCATGGCCAAC
CCGGCTTCCTCGGCCCTGGCGGACCAGAACCTGATCGGACCTGTTCAACGCCAACG
GCTGACCATGAACCCGACCTACGGGATCAACGCCAGCACGCCGACCCGAGCAAATTG
TGTTCAACGACAGCGTGCACCCGACCATCACGGCCAGCGCTGATGCCGACTACACCT
ATTCGCTGCTGTCGGCCCTGGAGCTGACCCCTGTCGGAAATGGCCACGGCACCT
GCGTGCCTACCAGGACAACTCGGCAGCCAGTGGCAGGCCAGTGGACTGGAGAACTGGCAGA
ACGTGGCCAGTGGCGGCTCGTCGGCGGGTGGCCAGCGCTGGACTTCGACTCCC
AGGACAGCGCCAGCGCGACGGCAACGGCTACACCTGACCCCTGGTGGCAGCTACC
GCATCGACGAGGCTGGCGCCGGGGTGGCCAGCGCTGGACTACCGGAGAAGCTGGAAAG
CCGGCGCCAAGGATTGCACTACCGGATGAAACAGCTACATGGCAGCGCTCGTGCAGT
ACCAAGAAAACCGCTGGTGGCCGACCGCGTTGACCGGGCTACCTCGACTACGACG
ACCTGAAGCGCAAGTGGCCCTGGCGCCGAGCCAGCGAGAAAGGCCACCAAC
GGCCACCTGTGGCGTTAGCGCGCCCTGGCTACGACATCGCCAGCAGGCCAGT
CCCTGGCACCTGTCGCCCTGTCAGCGCCACTATGACGGGTCGAGGTGACGGCTATT
CCGAGAAGGGCGCACCGCCACCGCGCTGCAAGGCAAGTACCGCTGGCAGCGATA
CCGCTGGCGCCGCGCTGCAAGGCAAGTACCGCTGGCAGCGATAACCAAGCTGTTGCC
GAGTACGCCACGAACGTGAGTACGAGGACGACACCAGGACCTGACCATGTCCTAAC
AGCTGCCGGCAATCGCTCACCTCGAAGGCTACACCCCGCAGGACCATCTAACCGC
GTCTCACTCGGCTCAGCCAGAAGCTGGCGCCGAGCTGTCGCTGCCGGCTACAC
TGGCGCAAGGGCGAGGACGATACCAAGCAGAGCGTCAAGCTGGCAGGCCACTTC
TGAAACGGCGGCCGGCGCCGCTGGCGCC

- aa sequence:

MIRMAKPLVAACLLASLSTAPQ~~A~~SPYSTLVVFGDSLSDAGQFPDPAGPAGSTSRTNVRG
 PTYQNGSGE~~I~~FPTAPM~~L~~GNQLGIAPGDLAATSPVNAAQQGIADGNNWAVGGYRTDQIYDSI
 TAANGSLIERDNTLLRSRDGYLVDRARQGLGADPNALY~~I~~ITGGGNDLQGRILNDVQAQQAA
 GRLVDSVQALQQAGARYIVVWLLPDGLTPATFGGPLQPFASQLSGTFNAELTAQLSQAGAN
 VIPLNIPLLLKEGMANPASFGLAADQNLIGTCFSNGCTMNPTYGINGSTPDPSKLLFNDSVHPT
 ITGQRLIADYTYSLLSAPWE~~L~~PEMAHGT~~R~~AYQDELRSQWQADWENWQNVGQWRGFVG
 GGGQRLDFDSQDSAASGDGNGYNTL~~LGGSY~~IDEAWRAGVAAGFYRQKLEAGAKDSDYRM
 NSYMASAFVQYQENRW~~W~~ADAALTGGYLDYDDLKRKFALGGGERSEKGD~~T~~NGLWAFSARL
 GYDIAQQADSPWHLSPFVSADYARVEVDGYSEKGASAT~~A~~LDYDDQKRSSKRLGAGLQGKYA
 FGSDTQLFAEYAH~~E~~REYEDDTQDLM~~S~~LN~~S~~LPGNRFTLEGYTPQDH~~LN~~RVSLGFSQKL~~A~~PELS
 LRGGYNWRKG~~E~~DDTQ~~Q~~SVSL~~A~~SL~~D~~F

Fig. 4

57

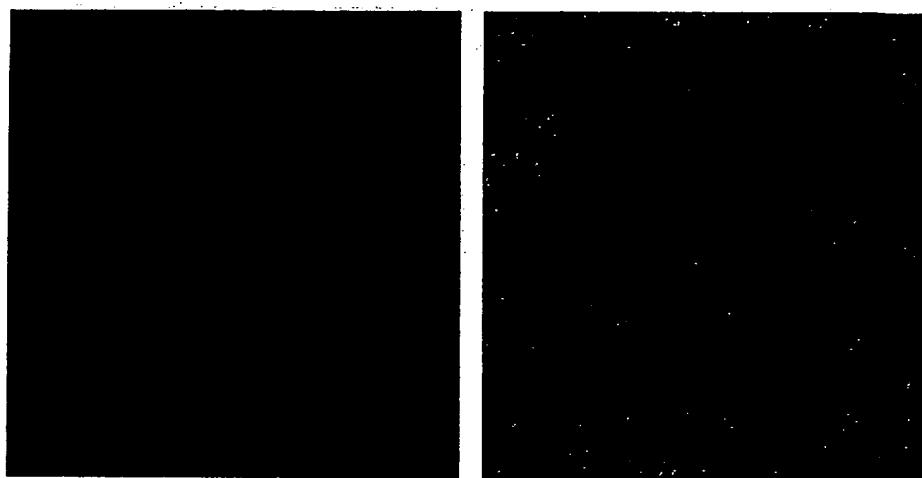


Fig. 5

6/7

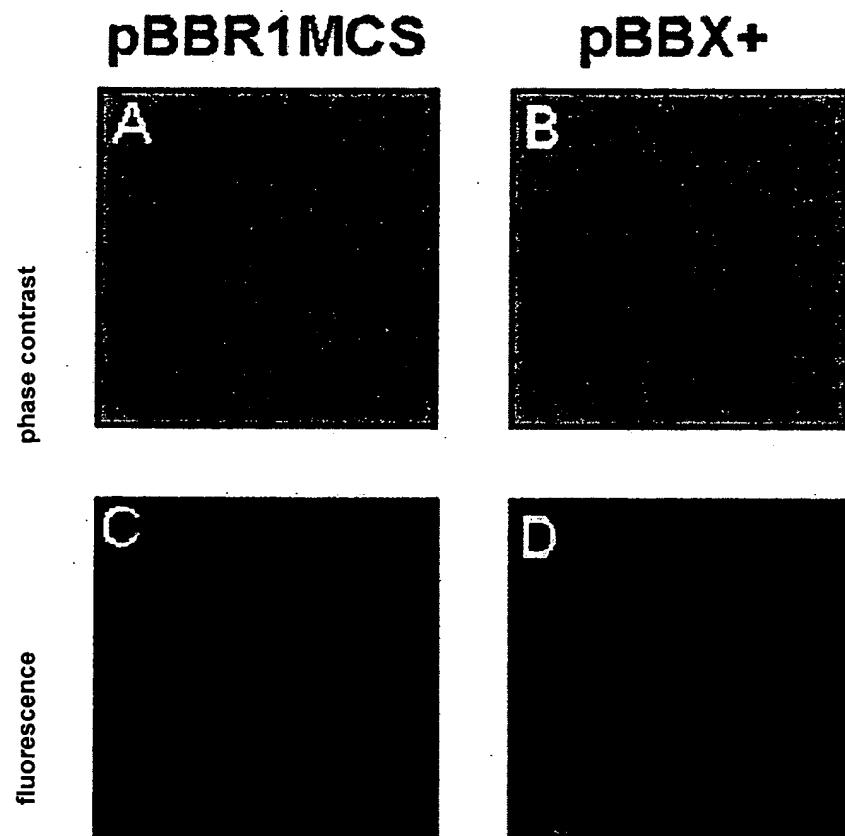


Fig. 6

7/7

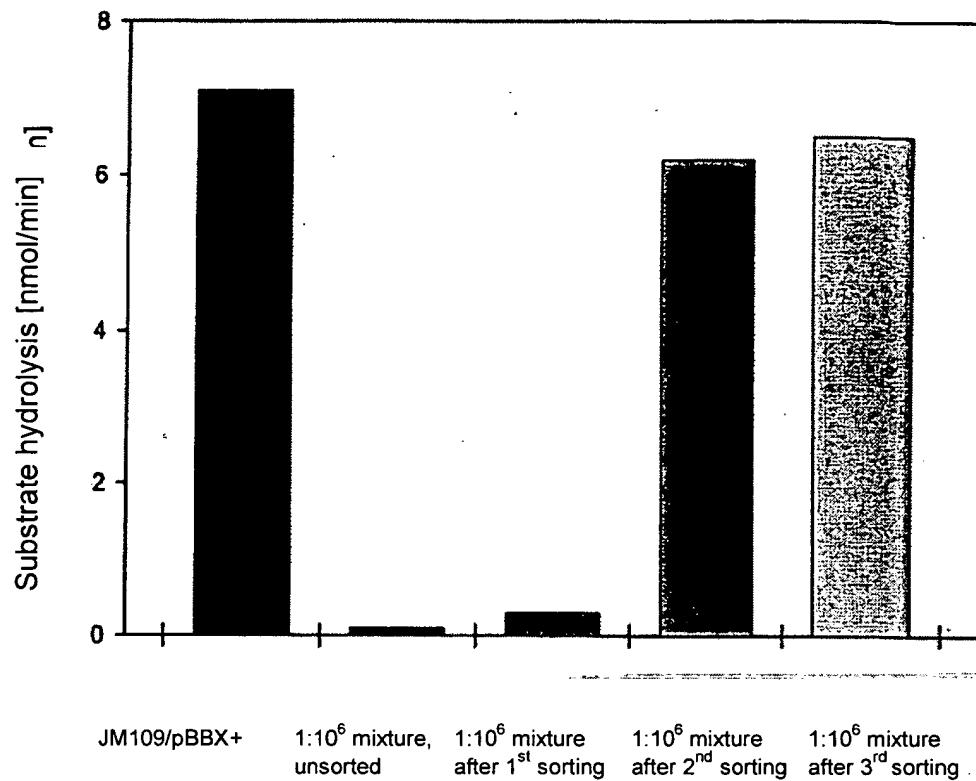


Fig. 7